DHCPv6 refresh
RFC3315bis

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Motivation

- DHCPv6 is a hugely successful protocol
- Over 10 years old, aged nicely
  - Some things were deprecated

- Advancing along standards track
- Addrs and prefixes are handled slightly differently
- Clarifications
- Corrections
- Minor updates (e.g. solmaxrt)
- No new features

The plan

1. Assemble editors/"design" team
2. Convert 3315, 3633 to xml
3. Pick a list of RFCs/drafts to include
4. Produce I-D that includes results from #2
5. Follow the usual WG path + extras
6. Use issue tracker to manage changes

1. Editors team

- Call for volunteers
    - Tomek volunteered to organize this work
- Similar to design teams, but nothing to design
- Lots of editorial work
- Preferred size: 5-6 people
- Need weekly/bi-weekly calls? (No?)
- Everything over mails? (Yes?)

2. Convert to XML

- xml2rfc was not used in 2003
- We have rfc3315.txt and rfc3315.nroff
- RFC Editor keeps nroff files for published RFCs
- Possibly useful tools:

rfc2xml[1]

nroff2xml[2]

1) http://sourceforge.net/projects/rfc2xml/
2) https://github.com/tomaszmrugalski/nroff2xml

3. RFCs/I-Ds to merge

- Possible candidates to merge:
  - RFC3315 (you should recognize this :)
  - RFC3633 (PD)
  - RFC3736 (stateless DHCPv6)
- Pick pieces from/add references to:
  - dhc-stateful-issues
  - dhc-dhcpv6-solmaxrt-update
  - RFC6355 (DUID-UUID)
  - RFC6644 (rebind in reconfigure)
  - RFC6422 (relay supplied options)
  - ...
- Pick a minimal # of documents for merge/reference others
- No decision today, that's a job for editors team

4. Dealing with changes

- Erratas, corrections, minor improvements
- Need to manage those changes (issue tracker?)
- Examples:
  - Must not interpret DUID content
  - Obsolete site-local addrs (e.g. ff05::1:3)
  - Requesting nested options
  - Handle unknown messages
  - Clarify: relay agents not modify relayed message
  - …

5. Work Organization

- Need a place to keep intermediate drafts
  - Proposal: github
  - https://github.com/dhcwg/rfc3315bis
  - Free, ads free, public, git, history
- No need for separate list, stick to DHC list
- Need to manage list of issues
  Proposal: DHC issue tracker
  http://trac.tools.ietf.org/wg/dhc/trac/report/1

6. Schedule

- We have milestones defined!
  - Oct 2013: Appoint editor, assemble design team for 3315bis work
  - Nov 2013: Decide which RFCs/drafts to merge
  - Mar 2014: Adopt 3315bis draft
  - Nov 2014: WG last call on 331bis draft
  - Apr 2015: Submit 3315bis draft to IESG

- Need to adjust them a bit…